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QUESTION 1

HOTSPOT

In your project, three architects and seven developers are working on the documentation of the software architecture.

Which methods are appropriate in order to achieve a consistent and adequate documentation, and which are not? (Assign all answers.)

Hot Area:

appropriate	not appropriate	
<input type="radio"/>	<input type="radio"/>	A) The chief architect creates the documentation.
<input type="radio"/>	<input type="radio"/>	B) Identical templates are used for the documentation.
<input type="radio"/>	<input type="radio"/>	C) All parts of the architecture documentation are automatically extracted from the source code.

Correct Answer:

appropriate	not appropriate	
<input checked="" type="radio"/>	<input type="radio"/>	A) The chief architect creates the documentation.
<input type="radio"/>	<input checked="" type="radio"/>	B) Identical templates are used for the documentation.
<input type="radio"/>	<input checked="" type="radio"/>	C) All parts of the architecture documentation are automatically extracted from the source code.

QUESTION 2

Which of the following techniques are best suited to illustrate the interaction of runtime building blocks? Select the four most suitable techniques.

- A. Activity diagrams
- B. Sequence diagrams
- C. State diagram
- D. Flowcharts
- E. Class diagrams
- F. Tabular description of interfaces
- G. Depiction of screen flows (sequence of user interactions)
- H. Numbered lists of sequential steps

Correct Answer: ABCE



Reference: <https://www.smartdraw.com/uml-diagram/>

QUESTION 3

HOTSPOT

What is the purpose of defining the system context? (Assign all answers.)

Hot Area:

true	false	
<input type="radio"/>	<input type="radio"/>	A) To illustrate the relationships between internal system components
<input type="radio"/>	<input type="radio"/>	B) To illustrate the system's interfaces with external systems
<input type="radio"/>	<input type="radio"/>	C) To clarify the area of responsibility of the software architect
<input type="radio"/>	<input type="radio"/>	D) To represent the external systems
<input type="radio"/>	<input type="radio"/>	E) To distinguish between infrastructure and application
<input type="radio"/>	<input type="radio"/>	F) To distinguish between the hardware and software of a solution

Correct Answer:

true	false	
<input type="radio"/>	<input checked="" type="radio"/>	A) To illustrate the relationships between internal system components
<input checked="" type="radio"/>	<input type="radio"/>	B) To illustrate the system's interfaces with external systems
<input type="radio"/>	<input checked="" type="radio"/>	C) To clarify the area of responsibility of the software architect
<input type="radio"/>	<input checked="" type="radio"/>	D) To represent the external systems
<input type="radio"/>	<input checked="" type="radio"/>	E) To distinguish between infrastructure and application
<input type="radio"/>	<input checked="" type="radio"/>	F) To distinguish between the hardware and software of a solution

QUESTION 4



HOTSPOT

Which information is presented in the building-block view? Rate the alternatives below as either true or false. (Assign all answers.)

Hot Area:

true

false

A) Which building blocks the software is composed of

B) How the building blocks interact during run time

C) How the building blocks are hierarchically decomposed

D) How the building blocks are distributed in a distributed system

E) The dependencies between the building blocks

Correct Answer:

true

false

A) Which building blocks the software is composed of

B) How the building blocks interact during run time

C) How the building blocks are hierarchically decomposed

D) How the building blocks are distributed in a distributed system

E) The dependencies between the building blocks

QUESTION 5

HOTSPOT

Conway's law sometimes is referred to as "If you have four teams working on the compiler, you'll get a 4-pass compiler." Which interpretations of this law are true, which are false? (Assign all answers.)

Hot Area:



true	false	
<input type="radio"/>	<input type="radio"/>	A) You need four teams to build a compiler.
<input type="radio"/>	<input type="radio"/>	B) Structures of software architecture and associated organisation are congruent.
<input type="radio"/>	<input type="radio"/>	C) Software architecture is particularly important when creating compilers.
<input type="radio"/>	<input type="radio"/>	D) Certain types of software are not suitable for the use of software architecture.

Correct Answer:

true	false	
<input type="radio"/>	<input checked="" type="radio"/>	A) You need four teams to build a compiler.
<input checked="" type="radio"/>	<input type="radio"/>	B) Structures of software architecture and associated organisation are congruent.
<input type="radio"/>	<input checked="" type="radio"/>	C) Software architecture is particularly important when creating compilers.
<input type="radio"/>	<input checked="" type="radio"/>	D) Certain types of software are not suitable for the use of software architecture.